

ABSTRACT

Method and apparatus for removing image artifacts from an image of a scene illuminated by a periodically varying light source such as a fluorescent light source. The image is represented by image data, and the method has the steps of determining a flicker function and processing the image data using the flicker function to remove the image artifacts from the image. The method and apparatus operate on data of a single image, do not require any additional input other than values of the flicker and frame periods, and do not require that the flicker be independently monitored. The method and apparatus is suitable for removing image artifacts from an image represented by image data collected by a CMOS image sensor utilizing a rolling shutter.